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RAW SEQUENCE LISTING

DATE: 02/27/2003

PATENT APPLICATION: US/10/018,470A

TIME: 08:05:17

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1 <110> APPLICANT: Frazer, Claire M.
 2 Hickey, Erin
 3 Peterson, Jeremy
 4 Tettelin, Herve
 5 Venter, J. Craig
 6 Massignani, Vega
 7 Galeotti, Cesira
 8 Mora, Manrosa
 9 Ratti, Giulio
 10 Scarselli, Maria
 11 Scarlato, Vincenzo
 12 Rappuoli, Rino
 13 Pizza, Mariagratia
 14 Grandi, Guido

15 <120> TITLE OF INVENTION: Neisseria Genomic Research
 16 <130> FILE REFERENCE: CHIR-0319
 17 <140> CURRENT APPLICATION NUMBER: US/10/018,470A
 18 <141> CURRENT FILING DATE: 2000-03-08
 19 <150> PRIOR APPLICATION NUMBER: 60/132,068
 20 <151> PRIOR FILING DATE: 1999-04-30
 21 <150> PRIOR APPLICATION NUMBER: PCT/US99/25373
 22 <151> PRIOR FILING DATE: 1999-10-08
 23 <150> PRIOR APPLICATION NUMBER: GB-0004695.3
 24 <151> PRIOR FILING DATE: 2000-02-28
 25 <150> PRIOR APPLICATION NUMBER: PCT/US/05928
 26 <151> PRIOR FILING DATE: 2000-03-08

27 <160> NUMBER OF SEQ ID NOS: 107
 28 <170> SOFTWARE: PatentIn version 3.1

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31 <211> LENGTH: 2272325

32 <212> TYPE: DNA

33 <213> ORGANISM: Neisseria meningitidis

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:46; N Pos. 995,1082
Seq#:47; Xaa Pos. 332,361
Seq#:50; N Pos. 1216,1334,1347
Seq#:51; Xaa Pos. 149,158,167,190,198,289,313,328,331,339,343,347,406,445
Seq#:63; Xaa Pos. 116

VERIFICATION SUMMARY

DATE: 02/27/2003

PATENT APPLICATION: US/10/018,470A

TIME: 08:05:18

Input Set : N:\CrF4\02132003\J018470.raw

Output Set: N:\CRF4\02272003\J018470A.raw

L:38026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
M:341 Repeated in SeqNo=6
L:38056 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
M:341 Repeated in SeqNo=7
L:39195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:360
M:341 Repeated in SeqNo=40
L:39234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:112
M:341 Repeated in SeqNo=41
L:39450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:960
M:341 Repeated in SeqNo=46
L:39507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:320
M:341 Repeated in SeqNo=47
L:39628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:1200
M:341 Repeated in SeqNo=50
L:39712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:144
M:341 Repeated in SeqNo=51
L:40420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:112



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Legal Date: 03-05-2003

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1	M903	2

Total number of pages: 2

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